SEQUENCE LISTING

<110> Sigma-Tau Industrie Farmaceutiche Riunite S.P.A.

<120> Long Pentaxin PTX3 and Female Sterility

<130> 012-ST-01-US

<140>
<141>

<150> US 60/309,472
<151> 2001-08-03

<160> 11

<170> PatentIn version 3.1

<210> 1
<211> 1837
<212> DNA
<213> Homo sapiens

<300>
<301> Breviario et al.
<302> Interleukin-1 Inducible Genes in Endothelial Cells
<303> Journal of Biological Chemistry
<304> 267
<305> 31
<306> 22190-22197
<307> 1992-11-05
<308> X636613
<309> 1993-07-29

<400> 1
ctcaaactca gctcacttga gagtctcctc ccgccagctg tggaaagaac tttgcgtctc 60
tccagcaatg catctccttg cgattctgtt ttgtgctctc tggtctgcag tgttggccga 120
gaactcggat gattatgatc tcatgtatgt gaatttggac aacgaaatag acaatggact 180
ccatcccact gaggacccca cgccgtgcga ctgcggtcag gagcactcgg aatgggacaa 240
gctcttcatc atgctggaga actcgcagat gagagagcgc atgctgctgc aagccacgga 300
cgacgtcctg cggggcgagc tgcagaggct gcgggaggag ctgggccggc tcgcggaaag 360
cctggcgagg ccgtgcgcgc cgggggctcc cgcagaggcc aggctgacca gtgctctgga 420
cgagctgctg caggcgaccc gcgacgcggg ccgcaggctg gcgcgtatgg agggcgcgga 480
ggcgcagcgc ccagaggagg cggggcgcgc cctggccgcg gtgctagagg agctgcggca 540
gacgcgagcc gacctgcacg cggtgcaggg ctgggctgcc cggagctggc tgccggcagg 600
ttgtgaaaca gctattttat tcccaatgcg ttccaagaag atttttggaa gcgtgcatcc 660
agtgagacca atgaggcttg agtcttttag tgcctgcatt tgggtcaaag ccacagatgt 720
attaaacaaa accatcctgt tttcctatgg cacaaagagg aatccatatg aaatccagct 780
gtatctcagc taccaatcca tagtgtttgt ggtgggtgga gaggagaaca aactggttgc 840
tgaagccatg gtttccctgg gaaggtggac ccacctgtgc ggcacctgga attcagagga 900
agggctcaca tccttgtggg taaatggtga actggcggct accactgttg agatggccac 960
aggtcacatt gttcctgagg gaggaatcct gcagattggc caagaaaaga atggctgctg 1020
tgtgggtggt ggctttgatg aaacattagc cttctctggg agactcacag gcttcaatat 1080
ctgggatagt gttcttagca atgaagagat aagagagacc ggaggagcag agtcttgtca 1140
catccggggg aatattgttg ggtggggagt cacagagatc cagccacatg gaggagctca 1200
gtatgtttca taaatgttgt gaaactccac ttgaagccaa agaaagaaac tcacacttaa 1260
aacacatgcc agttgggaag gtctgaaaac tcagtgcata ataggaacac ttgagactaa 1320
tgaaagagag agttgagacc aatctttatt tgtactggcc aaatactgaa taaacagttg 1380
aaggaaagac attggaaaaa gcttttgagg ataatgttac tagactttat gccatggtgc 1440
tttcagttta atgctgtgtc tctgtcagat aaactctcaa ataattaaaa aggactgtat 1500

```
tgttgaacag agggacaatt gttttacttt tctttggtta attttgtttt ggccagagat   1560
gaattttaca ttggaagaat aacaaaataa gatttgttgt ccattgttca ttgttattgg   1620
tatgtacctt attacaaaaa aaatgatgaa aacatattta tactacaagg tgacttaaca   1680
actataaatg tagtttatgt gttataatcg aatgtcacgt ttttgagaag atagtcatat   1740
aagttatatt gcaaaaggga tttgtattaa tttaagacta tttttgtaaa gctctactgt   1800
aaataaaata ttttataaaa ctaaaaaaaa aaaaaaa                            1837
```

<210> 2
<211> 381
<212> PRT
<213> Homo sapiens

<220>
<221> SIGNAL PEPTIDE
<222> (1)..(17)
<223>

<220>
<221> MAT_PEPTIDE
<222> (18)..(381)

<300>
<301> Breviario et al.
<302> Interleukin-1 Inducible Genes in Endothelial Cells
<303> Journal of Biological Chemistry
<304> 267
<305> 31
<306> 22190-22197
<307> 1992-11-05
<308> CAA45158
<309> 1993-07-29

<400> 2

```
Met His Leu Leu Ala Ile Leu Phe Cys Ala Leu Trp Ser Ala Val Leu
        -15                 -10                 -5

Ala Glu Asn Ser Asp Asp Tyr Asp Leu Met Tyr Val Asn Leu Asp Asn
-1  1               5                  10                  15

Glu Ile Asp Asn Gly Leu His Pro Thr Glu Asp Pro Thr Pro Cys Asp
                20                  25                  30

Cys Gly Gln Glu His Ser Glu Trp Asp Lys Leu Phe Ile Met Leu Glu
            35                  40                  45

Asn Ser Gln Met Arg Glu Arg Met Leu Leu Gln Ala Thr Asp Asp Val
        50                  55                  60

Leu Arg Gly Glu Leu Gln Arg Leu Arg Glu Glu Leu Gly Arg Leu Ala
    65                  70                  75

Glu Ser Leu Ala Arg Pro Cys Ala Pro Gly Ala Pro Ala Glu Ala Arg
80                  85                  90                  95

Leu Thr Ser Ala Leu Asp Glu Leu Leu Gln Ala Thr Arg Asp Ala Gly
                100                 105                 110

Arg Arg Leu Ala Arg Met Glu Gly Ala Glu Ala Gln Arg Pro Glu Glu
            115                 120                 125
```

```
Ala Gly Arg Ala Leu Ala Ala Val Leu Glu Glu Leu Arg Gln Thr Arg
        130                 135                 140

Ala Asp Leu His Ala Val Gln Gly Trp Ala Ala Arg Ser Trp Leu Pro
    145                 150                 155

Ala Gly Cys Glu Thr Ala Ile Leu Phe Pro Met Arg Ser Lys Lys Ile
160                 165                 170                 175

Phe Gly Ser Val His Pro Val Arg Pro Met Arg Leu Glu Ser Phe Ser
                180                 185                 190

Ala Cys Ile Trp Val Lys Ala Thr Asp Val Leu Asn Lys Thr Ile Leu
            195                 200                 205

Phe Ser Tyr Gly Thr Lys Arg Asn Pro Tyr Glu Ile Gln Leu Tyr Leu
        210                 215                 220

Ser Tyr Gln Ser Ile Val Phe Val Val Gly Gly Glu Glu Asn Lys Leu
    225                 230                 235

Val Ala Glu Ala Met Val Ser Leu Gly Arg Trp Thr His Leu Cys Gly
240                 245                 250                 255

Thr Trp Asn Ser Glu Glu Gly Leu Thr Ser Leu Trp Val Asn Gly Glu
                260                 265                 270

Leu Ala Ala Thr Thr Val Glu Met Ala Thr Gly His Ile Val Pro Glu
            275                 280                 285

Gly Gly Ile Leu Gln Ile Gly Gln Glu Lys Asn Gly Cys Cys Val Gly
        290                 295                 300

Gly Gly Phe Asp Glu Thr Leu Ala Phe Ser Gly Arg Leu Thr Gly Phe
    305                 310                 315

Asn Ile Trp Asp Ser Val Leu Ser Asn Glu Glu Ile Arg Glu Thr Gly
320                 325                 330                 335

Gly Ala Glu Ser Cys His Ile Arg Gly Asn Ile Val Gly Trp Gly Val
                340                 345                 350

Thr Glu Ile Gln Pro His Gly Gly Ala Gln Tyr Val Ser
            355                 360
```

<210> 3
<211> 1841
<212> DNA
<213> Mus musculus

<300>
<301> Introna et al.
<302> Cloning of Mouse PTX3
<303> Blood
<304> 87
<305> 5
<306> 1862-1872
<307> 1996-03-01
<308> X83601

<309> 1996-01-10

<400> 3

```
actcctgcct cacactatct ctcccgggct caaactcgga tcactgtaga gtctcgcttc     60
ttcccctgcg gctgcgaacg aaatttcgcc tctccagcaa tgcacctccc tgcgatcctg    120
ctttgtgctc tctggtctgc agtagtggct gagacctcgg atgactacga gctcatgtat    180
gtgaatttgg acaacgaaat agacaatgga cttcatccca ccgaggaccc cacgccatgc    240
gactgccgcc aggagcactc ggagtgggac aagctgttca tcatgctgga gaactcgcag    300
atgcgggagg gcatgctgtt gcaggccacc gacgacgtcc tccgtggaga gctgcagcgg    360
ctgcgggcag agctggggcg gctggcgggc ggcatggcga ggccgtgcgc agccggtggc    420
cccgcagacg ccaggctggt gcgggcgctg gagccgctgc tgcaggagag ccgtgacgcg    480
agcctcaggc tggcgcgcct ggaggacgcg gaggcgcggc gacccgaggc gacagtgcct    540
ggcctaggcg ctgtgctgga ggaactgcgg cggacgcgcg ccgacctgag cgccgtgcag    600
agctgggtcg cccgccactg gctgcccgca ggttgtgaaa cagcaatttt cttcccaatg    660
cgttcgaaga agatttttgg aagcgtgcat cctgtgagac caatgaagct tgaatctttt    720
agtacttgca tttgggtcaa agccacagat gtattaaaca aaaccatcct gttttcttat    780
ggcacaaagt ggaaccccta tgagattcag ctgtacctca gttcccagtc cctagtgttg    840
gtggtgggtg gaaaggagaa caagctggct gcagacactg tggtgtccct ggggaggtgg    900
tcccacctgt gtggcacctg gagttcagag caggggagca tgtccctgtg ggcaaacggg    960
gagctggtgg ctaccactgt agagatggcc aaaagtcact ctgttcctga gggtggactc   1020
ctacagattg gccaagaaaa gaatggttgc tgtgtaggtg ggggctttga cgaatcatta   1080
gcattttctg gaagaatcac aggcttcaat atctgggatc gggttctcag cgaggaggag   1140
atacgggcca gtggaggagt cgaatcctgt cacatccggg gaaatgtcgt cgggtgggga   1200
gtcacagaga ttcaggcgca cggaggagcc cagtatgttt cttaagtgtt gtgaaaatct   1260
acttgaagcc aaaggagact cacattttaa atatgccagt tggaaaagtc tgaaaacttc   1320
ggtgcgtaat agacgaatga aggagagact tgagattgtc tttgtttatc ttggcaaaat   1380
actgaataca cagttgaagg gaaggcttga gagagggctc cgggatgttg ttactaagcc   1440
ttatactgtg gtgctttcag attaatgtct gcctctgtca gataaaccct cagataacta   1500
aacatgactg gactctgaac agagggacga ttgtgtgact ttttttttt tttattttgg   1560
ttaattttat tttggccaga gacatttta tattggaaga ataacaaaac aagctctgtt   1620
gcccattgtt cattctttct ggtgtgtatt ttgtgacaaa agagatgatg agaaaaccat   1680
aattatacca caaagtgact tattaacgaa cataaatgta gcttacgtgt tataatccaa   1740
tccatttggg agaaggtagt tgtgtaattt atattgtgaa atgtaattgt attaatttta   1800
tttttgtaaa agtctactgt aaataaattg ttttataaag c                      1841
```

<210> 4
<211> 381
<212> PRT
<213> Mus musculus

<220>
<221> SIGNAL PEPTIDE
<222> (1)..(17)
<223>

<220>
<221> MAT_PEPTIDE
<222> (18)..(381)
<223>

<300>
<301> Introna et al.
<302> Cloning of Mouse PTX3
<303> Blood
<304> 87
<305> 5
<306> 1862-1872
<307> 1996-03-01
<308> CAA58580

<309> 1996-01-10

<400> 4

```
Met His Leu Pro Ala Ile Leu Leu Cys Ala Leu Trp Ser Ala Val Val
        -15                 -10                 -5

Ala Glu Thr Ser Asp Asp Tyr Glu Leu Met Tyr Val Asn Leu Asp Asn
-1  1                5                  10                  15

Glu Ile Asp Asn Gly Leu His Pro Thr Glu Asp Pro Thr Pro Cys Asp
                20                  25                  30

Cys Arg Gln Glu His Ser Glu Trp Asp Lys Leu Phe Ile Met Leu Glu
            35                  40                  45

Asn Ser Gln Met Arg Glu Gly Met Leu Leu Gln Ala Thr Asp Asp Val
        50                  55                  60

Leu Arg Gly Glu Leu Gln Arg Leu Arg Ala Glu Leu Gly Arg Leu Ala
    65                  70                  75

Gly Gly Met Ala Arg Pro Cys Ala Ala Gly Gly Pro Ala Asp Ala Arg
80                  85                  90                  95

Leu Val Arg Ala Leu Glu Pro Leu Leu Gln Glu Ser Arg Asp Ala Ser
                100                 105                 110

Leu Arg Leu Ala Arg Leu Glu Asp Ala Glu Ala Arg Arg Pro Glu Ala
            115                 120                 125

Thr Val Pro Gly Leu Gly Ala Val Leu Glu Glu Leu Arg Arg Thr Arg
        130                 135                 140

Ala Asp Leu Ser Ala Val Gln Ser Trp Val Ala Arg His Trp Leu Pro
    145                 150                 155

Ala Gly Cys Glu Thr Ala Ile Phe Phe Pro Met Arg Ser Lys Lys Ile
160                 165                 170                 175

Phe Gly Ser Val His Pro Val Arg Pro Met Lys Leu Glu Ser Phe Ser
                180                 185                 190

Thr Cys Ile Trp Val Lys Ala Thr Asp Val Leu Asn Lys Thr Ile Leu
            195                 200                 205

Phe Ser Tyr Gly Thr Lys Trp Asn Pro Tyr Glu Ile Gln Leu Tyr Leu
        210                 215                 220

Ser Ser Gln Ser Leu Val Leu Val Val Gly Gly Lys Glu Asn Lys Leu
    225                 230                 235

Ala Ala Asp Thr Val Val Ser Leu Gly Arg Trp Ser His Leu Cys Gly
240                 245                 250                 255

Thr Trp Ser Ser Glu Gln Gly Ser Met Ser Leu Trp Ala Asn Gly Glu
                260                 265                 270

Leu Val Ala Thr Thr Val Glu Met Ala Lys Ser His Ser Val Pro Glu
            275                 280                 285
```

```
Gly Gly Leu Leu Gln Ile Gly Gln Glu Lys Asn Gly Cys Cys Val Gly
        290                 295                 300

Gly Gly Phe Asp Glu Ser Leu Ala Phe Ser Gly Arg Ile Thr Gly Phe
    305                 310                 315

Asn Ile Trp Asp Arg Val Leu Ser Glu Glu Glu Ile Arg Ala Ser Gly
320                 325                 330                 335

Gly Val Glu Ser Cys His Ile Arg Gly Asn Val Val Gly Trp Gly Val
                340                 345                 350

Thr Glu Ile Gln Ala His Gly Gly Ala Gln Tyr Val Ser
            355                 360
```

<210> 5
<211> 1531
<212> DNA
<213> Homo sapiens

<220>
<221> PROMOTER
<222> (1)..(1317)
<223>

<220>
<221> PROTEIN_BIND
<222> (1222)..(1231)
<223> NF-kB

<300>
<301> Basile et al.
<302> Characterization of the Promoter for the Human Long Pentaxin PTX3
<303> Journal of Biological Chemistry
<304> 272
<305> 13
<306> 8172-8178
<307> 1997-03-28
<308> X97748
<309> 1997-11-15

<400> 5

```
gaattccccg gatctccctt ctaactctcc acctttggcc taagctttgc ttccacatgg     60
tcatcaacat ttggtggtta tagaactaat aacccctatc tcacttcact cctatgccag    120
aggggcccta gcatcagctc atgggattgt tgtttttgct ttcctctcta tctttggctc    180
cgggattttc cccttacttt aatgggagct catctgtacc ttttaagttt ttattaatat    240
catgtgaaca cagacctgta tatattgtta gaagcagaaa tctctaagtt tacttttaaa    300
acatgatcct tgcctcgaaa ccttgtagaa taatataatg tccacataat accaagttat    360
gaaaagaaac atacctaaat aactaaataa gtatattcct tttttccccc agctttttt     420
ccccattcta ggttacccag ttgtactgtg ttgtttgtca taggccgggt gaggtggctc    480
acgtctgtaa tcctagcaat ttgggaggcg aaggcgggtg gatcgcctga ggtcaggagt    540
tcgagaccag cctggctaac atggtgaaac cctgtctcta ctaaaaatac aaaaattaac    600
tgggtgtggt ggcgggtgcc tgtaattcca gctacttggg aagctgaggt aggagaatcg    660
cttgaaccca ggatgcggag gttgcagtga gccgagatca caccattgca ctccagcctg    720
ggcaacaaga gcgaaattca gtctcaaaaa aaaaaattat ctataaaagt ataggtgcaa    780
ctcctcaagt attaaagaca agatagctcg gattggactt gactttcaga gccataacta    840
ttcttaatat gttggtttat cttggaatca gaccattttc agtttcaacc tgtaaaacag    900
tgtacaaagg aaacatggaa agttttctat atataaaggg ttgtgaaata ataacagctc    960
acagaaaatg ctgaaatgat gatttgcttc agtaccctct gaaatttctc ccctaccacc   1020
```

cctccttcat ccccattgct atcaattcaa attacaacag ctaattctca ggagaacagt 1080
agaagcccag tttctctcct ctttcccctc tgaccctcct ccaattaatc tgactgcagc 1140
gtaaaccttt gcggtttaat attgtgcaac ttccacattt ccctcgctct cccacccagc 1200
cccctccccc accaaattca ggggaactcc cgttaccgca gtgccaccag cattactcat 1260
tcatccccat tcaggctttc ctcagcattt attaaggact ctctgctcca gcctctcact 1320
ctcactctcc tccgctcaaa ctcagctcac ttgagagtct cctcccgcca gctgtggaaa 1380
gaactttgcg tctctccagc aatgcatctc cttgcgattc tgttttgtgc tctctggtct 1440
gcagtgttgg ccgagaactc ggatcattat catctcatgt atgtgaattt ggacaacgaa 1500
atagacaatg gactccatcc cactgaggac c 1531

<210> 6
<211> 2708
<212> DNA
<213> Mus musculus

<220>
<221> PROMOTER
<222> (1)..(1373)
<223>

<300>
<301> Altmeyer et al.
<302> Promoter Structure and Transcriptional Activation . . .
<303> Journal of Biological Chemistry
<304> 270
<305> 43
<306> 25584-15590
<307> 1995-10-27
<308> U33842
<309> 1995-10-27

<400> 6
atcccagagg ctctctgtac tggcattagg acctcacagc accacatcag gtttcttaat 60
gtggactcta gaaactgaac tcgagcccac agccttagga gaaaagcacc ttacaaagct 120
gtggctccac actgcccttt aaacaatatc gtattgtctc atattgccat cgctttctga 180
tggctttaac ggtttcaaac ataccctgtc tttagccgtg atctcaaata agtgaagctc 240
ttgagcaggg gcctgatgcc ttttgacttt gtgttgattc atgcttatga tgccctgttc 300
cctccgtgtc tagctatgtt taactgtgga ttcaattttt attggtgggt ggattggtac 360
atgcatgtgc attccagatg cgtgagggca ctcaggccag gaaagccact catgagtctc 420
tgtcaggagc agaggaattt acctatggaa atccaagagc agccttctga gaggcctggc 480
ctgagggtag taccctccc atcatgatca ggatgtgact ggtaaccctc cccctccatc 540
tcctttgtat attggagact tgtatcagct caggggtatc ctctgggagt ggttccctct 600
agatctgtgt agtttttag atcttgcttt atttggagtt tattctcatg ttttaatttt 660
ttatcactat tattatgact tatcaacacc tatctaggta cttttcactg ggggaggggg 720
caggttttac acacacacac acacacacac acacacacac acacacacac acagtcacta 780
atgtaaaatt taaaacaggg accttgatag gatatgtcca agaataccca agcaccctaa 840
agccactata ttcccgccct cactttcctg ttttactggg ttttgaccca gccatactgt 900
gtttttttagt tgctccacca gaggagtcaa gactagttag tcaagattga cttctagagt 960
cataaaaatt cttaatgggt tattttggag tcacggaatc attttctata gcttggtctt 1020
gagaaagtat ccaaaggaaa agtgaaaaaa aaaagttttc cataacttca ggggttgtgg 1080
agtaatgaaa gctcacacca aatgccaaaa tgataattcg ccctgtacct ctgtgctcct 1140
caccccccaa agcgctagca cttcaggtta cagcaactaa tcctcagggg caccagaaaa 1200
gtccagcttc cctccccttc tcccccctgac tcgcctctaa ttaatctgcc tgcagtgtgg 1260
acctcggtgg tttaacattg tgcaacctct tcagctccct tgccctccca cccaaccccc 1320
tcccccaaat ccaggggaac tccctcgcgc tgtgccaccg acattagtca ttcatccgct 1380
catgctttgg agcgtttatt aagggcttca ctcctgcctc acactatctc tcccgggctc 1440
aaactcggat cactgtagag tctcgcttct tcccctgcgg gtgcgaagca aatttcggct 1500
ctccagcaat gcacctcccct gcgatcctgc tttgtgctct ctggtctgca gtagtggctg 1560
agacctcgga tgactacgag ctcatgtatg tgaatttgga caacgaaata gacaatggac 1620
ttcatcccac cgaggaccgt aagttcattt ttaactctct cagcgtatca aaactacata 1680

actcacttct gggggggcgc gattaacata attaacatag atagccaatg aagcaagcta 1740
aaattatact ttatttgtga aagcaaggac tgggggaaaa aaggaaagca aggaaatatc 1800
tgagaaaagc cagaggtttt aaattatttt tgtaacattt atgatgagtt aagttatacg 1860
aaatctttaa ctgtttttag ctatattaat ggcattttct cagttagttt aacatgtcta 1920
taaagaatag tctgtgtcat ctttgagttt acacgcacgc tgttttcaga gctatcctta 1980
gaaggagagc gttgctgggg acaggctgaa acttggagtc accaagagtg caacccatgg 2040
ccacccagga caagctgata acacttgtgt gtgtcctgcg ttctagccac gccatgcgac 2100
tgcgcccagg agcactcgga gtgggacaag ctgttcatca tgctggagaa ctcgcagatg 2160
cgggagggca tgctgttgca ggccaccgac gacgtcctcc gtggagagct gcagcggctg 2220
cggtcagagc tgggccggct ggcgggcggc atggcgaggc cgtgcgcagc cggtggcccc 2280
gcagacgcca ggctggtgcg ggcgctggag ccgctgctgc aggagagccg tgacgcgagc 2340
ctcaggctgg cgcgcctgga ggacgcggag gcgcggcgac ccgaggcgac agtgcctggc 2400
ctaggcgctg tgctggagga actgcggcgg acgcgctccg acctgagcgc cgtgcagagc 2460
tgggtcgccc accactggct gcccgcaggt aagcccacgg tcggctctgt ccctagaggc 2520
aagcttttgt gggaccctca cactcagagc cccagtactt ttcataggca cactcacaga 2580
gctcacacca cgccaggcag ctcattgcct tttaaaagta tttccaagcc cgaggaaccc 2640
aaaagaaaaa aacgaggatt taaaccatca gtctggaagt tgacgtcaga ggttcctgat 2700
accggatc 2708

<210> 7
<211> 21
<212> DNA
<213> Artificial Sequence

<220>
<223> Oligonucleotide Primer

<400> 7
agcaatgcac ctccctgcga t 21

<210> 8
<211> 21
<212> DNA
<213> Artificial Sequence

<220>
<223> Oligonucleotide Primer

<400> 8
tcctcggtgg gatgaagtcc a 21

<210> 9
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Oligonucleotide Primer

<400> 9
ctgctcttta ctgaaggctc 20

<210> 10
<211> 21
<212> DNA
<213> Artificial Sequence

<220>
<223> Oligonucleotide Primer

<400> 10
tcctcggtgg gatgaagtcc a 21

<210> 11
<211> 8
<212> PRT
<213> Artificial Sequence

<220>
<223> Consensus "pentraxin-like" sequence

<220>
<221> MISC_FEATURE
<222> (2)..(2)
<223> any amino acid

<220>
<221> MISC_FEATURE
<222> (4)..(4)
<223> any amino acid

<220>
<221> MISC_FEATURE
<222> (5)..(5)
<223> Ser or Thr

<220>
<221> MISC_FEATURE
<222> (7)..(7)
<223> any amino acid

<400> 11

His Xaa Cys Xaa Xaa Trp Xaa Ser
1 5